



SLIDE INVESTIGATIONS FIELD SECTION 27

27.1 SCOPE. To establish operational procedures for slide investigations.

27.2 RESPONSIBILITY. Slide investigations may be performed by either district Operations personnel or by personnel assigned to the Materials Engineering, Geotechnical Section. Slides which will require specialized investigative techniques, such as undisturbed sampling, testing and stability analyses, should be referred to the Materials Engineering unit. Materials personnel will be available for consultation in regard to those slides investigated by district personnel. Consultation, prior to completion of the report, is recommended for slides that are costly to repair and is requested for those slides that will be repaired by contract since Materials Geotechnical may later be asked to review the district recommendations.

27.3 PROCEDURE. Requests for a slide investigation by Materials Engineering may originate at either the unit or district level. Those originating in the district should be by letter to the State Materials Engineer. The request should include a general description, location, final plans, history, urgency of repair, and any available subsurface information. In emergency situations, requests may be verbal subject to written confirmation. Before drilling operations can start it will be necessary for district personnel to lay out stationing, generate cross sections, clear utilities, and obtain permission from property owners if required. Stationing should be laid out every 100' at the top, middle, and bottom of the slope using the same stationing as in the final plans. Flags should be set at these points with the station, offset, and elevation marked on them. While arbitrary stations should not be used, an arbitrary elevation may be used (for example, elevation top of slope equal elevation 100.0). Cross sections should be generated every 100' in the slide area and for at least 100' either side of the slide area. Cross sections should extend from at least the top to the bottom of the slope even if this may be off of right of way. Cross sections should agree with stationing laid out in the field and right of way, edge of pavement, and either baseline or centerline should be labeled.

27.4 REPORT. Reports shall be in letter form with test data and boring logs attached. Distribution of Materials Engineering reports is individually considered. The District Engineer or unit engineer requesting the investigation will receive the original and copies will be sent to any concerned units. Reports of investigation of slides anticipated to be repaired by contract, whether originating in a district or unit, should have distribution equivalent to that of a preliminary geotechnical report plus Maintenance unit. The State Materials Engineer is to be furnished a copy of all reports of slide investigations conducted by district Operations personnel.

